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| Mr. Michael T. Davis  Pre-Calculus | | 3.5 Properties & Rules of Logarithmic (1)  March 6-7, 2017 | |
| Name: | |

1. 

The sum of two logs is the one log of the product of the arguments (logarands)

1. 

The difference of two logs is the one log of the quotient of the arguments (logarands)

1. 

The log of a base with a power is the product of the power and the log

Use the properties of logarithms to EXPAND the following logarithmic expressions:

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Use the properties of logarithms to CONDENSE the following expressions (do not evaluate):

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Use the properties of logarithms to evaluate each expression:

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